

PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY

 To:
 BARNES & THORNBURG
 Attn. Conard, Richard D.
 11 South Meridian Street
 Indianapolis, IN 46204
 UNITED STATES OF AMERICA

RECEIVED

FEB 12 2003

BARNES & THORNBURG

 NOTIFICATION ~~DATE~~ TRANSMITTAL OF
 THE INTERNATIONAL SEARCH REPORT
 OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 05/02/2003	
Applicant's or agent's file reference 7175-71397	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 02/ 32221	International filing date (day/month/year) 09/10/2002
Applicant HILL-ROM SERVICES, INC.	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.


☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Sylvie Fernandez
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7175-71397	FOR FURTHER ACTION		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US 02/ 32221	International filing date (day/month/year) 09/10/2002	(Earliest) Priority Date (day/month/year) 11/10/2001	
Applicant HILL-ROM SERVICES, INC.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/32221

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61M1/00 A61M27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 636 643 A (ARGENTA LOUIS C ET AL) 10 June 1997 (1997-06-10) cited in the application column 6, line 19 - line 45; figure 1 column 8, line 65 - column 9, line 19; figure 8 column 8, line 20 - line 26	1-5,7,8, 10-13, 15-22
Y	----	6
Y	WO 01 34223 A (KCI MEDICAL LTD ;HEATON KEITH PATRICK (GB)) 17 May 2001 (2001-05-17) page 5, last paragraph ----- -/-	6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

29 January 2003

Date of mailing of the international search report

05/02/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Lakkis, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/32221

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 37922 A (HENLEY ALAN WAYNE ;PETROSENKO ROBERT (US); SANDERSON RONALD LESLIE) 31 May 2001 (2001-05-31) cited in the application page 9, paragraph 4; figure 6 ----	4,5,20
A	EP 1 088 569 A (KCI MEDICAL LTD) 4 April 2001 (2001-04-04) paragraphs '0011!', '0018!'-'0020!; figures 1,3 ----	1-8, 10-14, 16-22
A	GB 1 584 772 A (WALLACE LTD H G) 18 February 1981 (1981-02-18) abstract; figures ----	7,9,11, 14,21
A	WO 00 21586 A (KCI MEDICAL LTD ;HEATON KEITH PATRICK (GB); HUNT KENNETH WILLIAM () 20 April 2000 (2000-04-20) page 5, line 10 - line 12 page 7, paragraph 3 - paragraph 4 figures -----	20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/32221

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 23 24
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/32221

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5636643	A	10-06-1997	US 5645081 A	08-07-1997
			AT 196235 T	15-09-2000
			AU 696031 B2	27-08-1998
			AU 6360894 A	26-09-1994
			CA 2157772 A1	15-09-1994
			DE 69425881 D1	19-10-2000
			DE 69425881 T2	22-03-2001
			DK 688189 T3	27-12-2000
			EP 0688189 A1	27-12-1995
			ES 2151925 T3	16-01-2001
			GR 3034817 T3	28-02-2001
			JP 9503923 T	22-04-1997
			PT 688189 T	28-02-2001
			WO 9420041 A1	15-09-1994
			US 2001029956 A1	18-10-2001
			AT 164055 T	15-04-1998
			AU 674837 B2	16-01-1997
			AU 3130393 A	15-06-1993
			CA 2121688 A1	27-05-1993
			DE 9219136 U1	18-06-1998
			DE 69224847 D1	23-04-1998
			DE 69224847 T2	20-08-1998
			DK 620720 T3	28-09-1998
			EP 0620720 A1	26-10-1994
			ES 2114956 T3	16-06-1998
			JP 7501958 T	02-03-1995
			WO 9309727 A1	27-05-1993
WO 0134223	A	17-05-2001	AU 1163901 A	06-06-2001
			BR 0015460 A	12-11-2002
			EP 1227853 A1	07-08-2002
			WO 0134223 A1	17-05-2001
			GB 2356148 A	16-05-2001
WO 0137922	A	31-05-2001	AU 3271601 A	04-06-2001
			CZ 20021868 A3	13-11-2002
			EP 1233808 A2	28-08-2002
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			WO 0137922 A2	31-05-2001
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EP 1088569	A	04-04-2001	EP 1088569 A2	04-04-2001
			AT 203174 T	15-08-2001
			CA 2237606 A1	22-05-1997
			DE 19681649 T0	03-12-1998
			DE 29623482 U1	23-07-1998
			DE 69613997 D1	23-08-2001
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			EP 0865304 A1	23-09-1998
			ES 2159050 T3	16-09-2001
			GB 2344531 A ,B	14-06-2000
			WO 9718007 A1	22-05-1997
			GB 2307180 A ,B	21-05-1997
			GB 2336546 A ,B	27-10-1999
			GR 3036872 T3	31-01-2002
			HK 1029536 A1	14-12-2001
			HK 1012589 A1	02-03-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/32221

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			PT 865304 T	30-01-2002
			US 6142982 A	07-11-2000
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			DE 2730420 A1	23-02-1978
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			ES 461135 A1	01-07-1978
			NL 7708421 A	01-02-1978
WO 0021586	A	20-04-2000	EP 1121163 A1	08-08-2001
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			GB 2342584 A	19-04-2000
			JP 2002527146 T	27-08-2002